THE TECH

DAILY

VOL. XXIX. NO. 12. BOSTON, MASS., TUESDAY, OCTOBER 12, 1909 PRICE ONE CENT

PURPOSES OF CLEOFAN BY MRS. RICHARDS

"The Association Of Technology Women" Alumnae Society

Considerable interest is naturally connected with the presence of the twenty odd young women students at a school like the Institute of Technology, which is so largely devoted to male students, and the teaching of scientific work. During past years they have organized a club called the Cleofan with a view to mutual social benefits and helpful co-operation. On account of their small numbers in comparison with the male student body, the members of the Cleofan are rather reticent about the plans and objects of their society and do not wish to say anything which will attract especial attention.

Ellen H. Richards, A. M., S. B., instructor in sanitary chemistry and wife of Prof. R. H. Richards, is the only woman instructor at the Institute. Mrs. Richards is an honorary member of the Cleofan and is in charge of the activities of the society. She has authorized the publication of the following statement concerning the women's club connected with Technology:

"The Cleofan is the name of the society for undegraduate women students, both regular and special. It is intended, as its name implies, to be a helpful social force, both to its own members who meet once a week, and to the general Institute public. It gives the use of the Margaret Cheny Reading Room for faculty teas and for many other suitable occasions. Registration is not complete, but several college graduates are among the entering students.

"The association of Technology women," on the other hand, is an organization of past women students, of whom there are some six or seven hundred. This society cooperates with the Cleofan as hostess in many social entertainments, and is always ready to be called upon for service."

At present the officers of the Cleofan are: President, Miss Flora Johnson; secretary, Miss Mary A. Fulton; treasurer, Miss Elizabeth B. Babcock.

MECH. ENG. SOCIETY

Competition For Shingle Design Five Dollar Prize Offered

The Mechanical Engineering Society offers a prize of five (5) dollars for the best design for a shingle for the Society. The competition is not restricted to members, but is open to anybody. The design must be worded as follows: This is to certify that..... is elected a member of The Mechanical Engineering Society of the Massachusetts Institute of Technology, this..... day of ..... 19.....

Pres. .....

Sec. .....

The design is to be on 8 in.x10 in. paper, and may be in two colors. The paper on which it is to be printed, is to be a light grey sheepskin. The design must also contain the seal of the Society, which will fill a circle 2 in. in diameter. All designs to be handed in at the Cage before Nov. 1, addressed to

ARTHUR P. TRUETTE, Sec.

For further particulars, see the Secretary.

GOLFERS TO ORGANIZE SALISBURY LEADS TEAM

Work For Season Planned Good Chances Open

Plans are being laid for the organization of the golf club, and the men hope soon to have their outline of the season's work completed. The preliminary meeting of the golf club will be held Thursday, at 1:00 P. M., in 22 Rogers. It is hoped that all men who are interested in golf will be present.

Of last year's golf team, W. C. Salisbury 1911, is the only one still in the Institute, so a large part of the work of organization will naturally devolve upon him. The last season in golf was fairly successful, and there are hopes for a good one this year. The fall tournament last year was very good and considerable interest was shown by the number of entries. Salisbury expects an equally successful meeting this fall. Definite plans will be made as soon as possible. It is expected that many new men will report, as there are excellent chances for any new men on the team.

NEW COURSE STARTED REPLACES Op III, Course VIII

To meet the demand for men properly trained in electro chemistry, Course XIV has been established as a distinct course, in place of Course VIII, Option III. This is the first course of its kind offered in this country and is being rapidly developed by Prof. Goodwin, who is in charge of it.

Industries which involve using electrical energy as a source of power in effecting chemical changes and, conversely, those where chemical energy is transformed into electrical energy, are increasing steadily and rapidly. Cheap electrical power obtained from water power centers, like Niagara Falls, makes possible the manufacture of many substances which have up to the last few years, been unknown or else manufactured only at great cost. The calcium carbide, aluminum, graphite, carborundum and caustic soda industries are instances of the remarkable progress in electrical lines. The refining of metals as well as the reduction of ores, as shown by the rise of the electric furnace in obtaining high grade steel illustrates the application of electricity in chemistry.

Electrochemistry is an experimental science and involves a thorough knowledge of the principles of theoretical and applied electricity, of theoretical, analytical and applied chemistry, and requires the ability to apply this knowledge to unsolved problems. Great emphasis is placed on the fundamental principles of physics and chemistry.

The course, however, is quite broad and gives its graduates abundant opportunities not only as electrochemists, but also in engineering lines.

RIFLE PRACTICE.

Ten men took part in the rifle practice at Wakefield, Saturday, and in spite of a slight haze, good shooting was done.

Capt. H. R. Wilbur 1910, president of the rifle club took high score with 19 at 200 yards, 22 at 300 and 23 on the 500 yard range. H. D. Kemp 1912, had the second high score, with 22, 19 and 22. The following scores were made at the 200, 300 and 500 yard ranges respectively: Robert Portal 1913, 21-18-22; G. W. Bakeman 1912, 20-21-10. W. W. Lang 1912, 18-19-22; M. S. Tod 1910, 18-20-17; R. Arey 1913, 21-8-21, E. M. Symms 1911, 18-21-11; E. G. Brown 1912, 15-15-9.

TIGERS STILL SNARLING FALL PREY TO PIRATES

Wagner's Remarkable Playing Marks Pirates' Win

Profiting by "Ee-yah" Jennings' mistakes in his choice of twirlers, Pittsburg won a second victory over Detroit in the remarkable series for the championship of the world, at Detroit yesterday, by a score of 8 to 6.

Although batted hard throughout the contest, Maddox, the Pittsburg pitcher, kept his hits well scattered until the seventh. The Tigers then started a rally which threatened to wipe out Pittsburg's early lead of six runs, but Pittsburg put the game out of the home team's reach by adding two more runs in the ninth inning.

The honors of the day fell to the mighty Hans Wagner. In five trips to the plate, he made four bingles and stole four bases. He also played a remarkable fielding game, accepting seven chances without an error, and was directly responsible for five of Pittsburg's eight runs.

Bush and Delehanty excelled for Detroit, the former making four singles, and the latter two doubles and a single.

The Pirates bombarded Summers at the outset, and drove him from the box in less than half an inning. Five runs were scored on hits by Byrne, Leach, Wagner, Abstein and Wilson, a base on balls to Miller, and a wild pitch by Summers. Willett here relieved Summers.

Another was added by the Pirates in the second, when Willett hit Leach and Clarke, and Wagner, after forcing Clarke at second, worked the double steal with Leach, the latter scoring.

Maddox went along finely until the seventh, when hits by Delehanty, T. Jones, D. Jones, Bush and Cobb, with an error by Miller sandwiched in, netted the Tigers four runs.

Jennings then sent Ralph Works, a colt, to the mound with disastrous effects, as the Pirates put the game out of the Tigers' reach by scoring twice in the ninth as a result of hits by Byrne, Leach and Wagner.

Detroit made a game rally in its half of the ninth, but fell short of the desired goal. Abstein's error and hits by Bush and Cobb netted the home team two runs.

The score:

	1	2	3	4	5	6	7	8	9	R	H	E
Pittsburg—	5	1	0	0	0	0	0	0	2	—8	11	2
Detroit —	0	0	0	0	0	0	4	0	2	—6	12	3

Batteries: Maddox and Gilson; Summers, Willett, Works and Schmidt.

1911 CLASS MEETING CALLED TO-DAY AT NOON IN H. H.

To get the members of the class of 1911 in meeting convened, President Salisbury has resorted to the novel expedient of corraling his class-mates in Huntington Hall this noon, by keeping them there after they have just finished the last lecture of the morning in the aforementioned place. The object of the meeting is primarily to infuse a little life into the men as a unit and then to urge the payment of class dues.

Class pipes will occupy a minor place in the proceedings of old business. Sample pipes will be shown to those who have not already placed orders.

Reports of last years officers will be heard; new business will then be introduced as a reminder that all should unite for the elections which begin at

(Continued on page 3.)

LOWELL INSTITUTE LECTURE COURSES BEGIN

First Course Commences To-day Many Prominent Lecturers

Lectures at the Lowell Institute begin tonight in Huntington Hall. The program for this, the 71st season, is nearly complete. In all but the theological course, the topics, lecturers and times have been decided upon.

Five free series are offered by the Lowell Institute. First there is the course of public lectures in Huntington Hall which is sub-divided into ten courses, each dealing with some topic of general interest. The second course is an evening school for industrial foremen. Course III is a teachers school of science. In King's chapel lectures on current topics in theology are given and the fifth course consists of collegiate studies.

Huntington Hall Lectures.

Probably the most popular is the series of lectures in Huntington Hall. Admission to these is free, but tickets must be obtained from the Curator, 491 Boylston street, Boston. Ten connected courses of lectures are given by different prominent men. Occasionally, special lectures will be given at which no seats are reserved.

The second course will be six lectures by Hon. William Everett, LL.D., on "The English Orators of the Eighteenth Century." Doctor Everett will deal with Chatham, Burke, Fox, Sheridan, Erskine and William Pitt, considering one at each lecture. This course begins Oct. 18, and the lectures will be on Mondays and Thursdays at 8:00 o'clock.

The first lecture course will be Rev. George Washburn. LL.D., formerly president of Robert College, Constantinople, who will speak Tuesday and Fridays, beginning Oct. 12. The subjects of his lectures will be as follows: 1. "Development of the Eastern Question to the Creamean War." 2. "The Twenty Years Which Undid the Work of the Treaty of Paris." 3. "The Treaty of Berlin and the Balkan States." 4. "Sultan Abdul Hamid." 5. "The people of Turkey." 6. "The Probable Future of the Ottoman Empire."

Dr. Herbert Fisher, M.A., of Oxford, England, will lecture Mondays and Thursdays, beginnings Nov. 8, on "The Republican Tradition in Europe." He will deliver eight lectures as follows:

1. "The transmission of Classical Ideals from the Fall of the Roman Empire to the French Revolution." 2. "The Rise of the First French Republic." 3. "Characteristics of Republicanism in France." 4. "Influence of Republican Ideals in Germany, Italy and England, 1789-1815." 5. Rise of the Second Republic in France." 6. "The Republican Movements in Germany and Italy, 1848-1849." 7. "The Third French Republic." 8. "Strength and Weakness of the Republican Principle in Europe."

The fourth course consists of four lectures on Tuesdays and Fridays, beginning November 16, by Prof. Stephens of the University of California, on the San Francisco earthquake. The lectures deal with the earthquake and its human aspects, the fire, the ruins and the relief work.

On Tuesdays and Fridays, beginning Nov. 30, Prof. Parker of Harvard will lecture on "The Human Sense Organs and Their Evolution." Prof. Parker will speak of the sense organs of the skin, the ear, the eye, and the senses of smell and taste.

On December 8, Mr. Copeland of Harvard will lecture on "Dr. Johnson and His Friendships," in observance of the Bicentenary of Dr. Johnson's birth.

(Continued on page 2.)

THE TECH.

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BOSTON, MASS., OCTOBER 12, 1909.

MEETING OF BROOKLINE HIGH SCHOOL CLUBS.

A meeting of the Brookline High School Club was held Saturday evening at the home of Alfred F. Kenrick 1912.

The Brookline High School Club was started at the high school as the Tech Club, and was brought to the Institute by the class of M. I. T. 1910, under the appropriate name of "The Mitten." The membership was limited at first, but has now become so prosperous that it has been thought advisable to split the society into two sections; one section for seniors and juniors, the other for sophomores and freshmen. These two sections will usually meet separately, but several joint meetings will be held during the year.

At Saturday's meeting, D. V. Williamson 1910, urged affiliation of the club with the Brookline High School Alumni Association. The program of professional talks was discussed and will be announced in The Tech when completed. The hit of the evening was scored by W. S. Seligman 1911, who read his humorous log of the club's last banquet.

CALENDAR.

Tuesday, October 12.

1:00 P. M.—1911 class meeting in Huntington Hall.
4:00 Glee Club trials at Union.
4:15 P. M.—Practice at Field and Oval.
Tug of war teams practice at Gym.

Wednesday, October 13.

1:00 P. M.—1910 class meeting in Huntington Hall.
4:00 P. M.—1912 nominations close.
4:15 P. M.—Practice at Field and Oval. Tennis preliminary rounds must be played off.
4:22 P. M.—Cross country squads leave Back Bay station for run over course.

Thursday, October 14.

1:00 P. M.—Meeting in 22 Rogers for all interested in golf.

LOWELL INSTITUTE LECTURE

(Continued from page 1.)

Dr. Davis, professor of geology at Harvard will speak on "The Greater Lessons of Geology." This course of eight lectures comes Mondays and Thursdays, beginning Jan. 3.

Dr. Jastrom of the University of Pennsylvania will give six lectures on "The Religions of Babylonia and Assyria." He will speak Tuesdays and Fridays, beginning January 4.

Eight lectures on Japan will be given by Prof. Yoshisaburo Okakura of Tokyo. The first lecture is Jan. 25.

On Mondays and Thursdays, beginning Februrary 28, Dr. Prothero, late president of the Royal Historical Society of England will lecture on "Napoleon III and the Second Empire."

The tenth course will be eight lectures by Dr. Reid of Cambridge, England, on "The Municipal Side of the Roman Empire." The first lecture will be March 1.

INDUSTRIAL FOREMAN SCHOOL.

The Evening School for Industrial Foremen is conducted under the auspices of M. I. T. Entrance examinations to this course are required, and it is designed to give a somewhat technical education to working men. Three or four evenings a week, besides home study are required, and the course extends over two years. Options are offered in mechanical or electrical courses. Considerable laboratory and theoretical work are given.

TEACHERS' SCIENCE SCHOOL.

The Teachers' School of science consists of eight lectures under the auspices of the Boston Society of Natural History. The lectures will be as follows:

1.—Field Lesson in Botany, by Mr. Hollis Webster.
2.—Field Lessons in Zoology, by Mr. Albert P. Morse.
3.—Field Lessons in Geology, by Prof. George H. Barton.
4.—Laboratory Lessons in Botany, by Mr. Hollis Webster.
5.—Laboratory Lessons in Zoology, by Mr. Albert P. Morse.
6.—Laboratory Lessons in Geology, by Prof George H. Barton.
7.—Laboratory Lessons in Geography, by Prof. Douglas W. Johnson.
8.—Lectures and Demonstrations on the Chemistry of Foods, by Prof A. G. Woodman.

CURRENT THEOLOGY TOPICS.

Current topics in theology are given by members of the faculties of Harvard Divinity School and Andover Theological Seminary. The lectures to be announced later, will be in King's Chapel.

Collegiate Courses.

The Lowell Institute also offers collegiate courses corresponding to courses in Harvard, and as nearly like them as possible.

The first course is on the "Lives, Characters and Times of Men of Letters, English and American," conducted by Mr. Copeland. The students will take up literary men from ancient to modern times. There will be supplementary readings of their works, and practise in English composition.

Prof. Hart of Harvard gives a course on the "Constitutional and Political History of the United States," from the adoption of the Constitution to the Spanish War.

The course in "Public Finance" and the "Theory and Methods of Taxation" is in charge of Prof. Bullock, professor of economics at Harvard.

These collegiate courses begin in October and last till June. They are of the same scope as similar work at Harvard and satisfactory work in them counts toward a degree.

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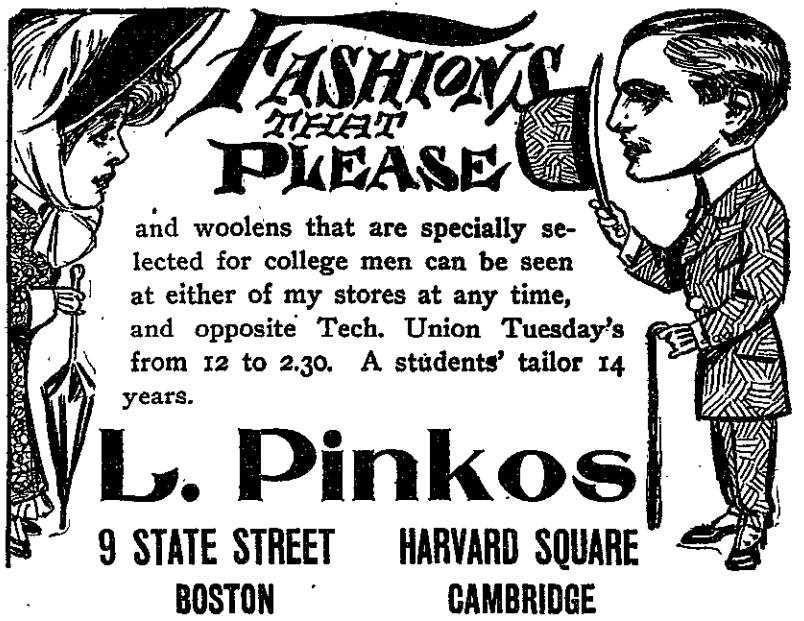

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NOTICES.

Glee Club trials at 4.15 Tuesday.

Third Year Field Geology, Tuesday, Oct. 12. Appointments are as follows:
Parties in Area 1 meet Prof. Jaggar.
Parties in Area 3 meet Mr. Clapp.
Parties in Area 5 meet Dr. Loughlin.
All other parties work alone. Directions for reaching areas are posted in room 10 Eng. B. Parties having instructors should leave word with the instructors stating the time and place of meeting. 11-12

FACULTY NOTICE.

RADIATION.—This course (No. 832 of programme), will be offered to advanced students Thursday at 4:10 P. M., in room 23 Walker. Those desiring to take this course will please leave their names with Professor Goodwin, in room 11 Walker, on or before Thursday morning, October 14th.

ADVANCED ENGLISH COMPOSITION.—Professor Bates will hold a second section in Advanced Composition which will meet Wednesday Oct. 13 in 16 Rogers at 12 o'clock.

Students wishing to keep their laboratory notebooks in Building Stones, course I, section 3 and in Structural and Field Geology, course I, section 2, will find them on the lecture table in room 10 Eng. B, during the week ending Oct. 16. 12-13-14 -15-16

G. F. LAUGHLIN.

THIRD YEAR.

GENERAL BIOLOGY.—Course XI, will meet on Fridays, 11-12, in 28 Pierce Building, instead of Tuesdays, 9-10.
11-12-13-14-15-16

L. Pinkos will be at Stedman & Wilder, opposite the Tech Union, from 12 until 2:30, Tuesday. 1Z

1:00 P. M.—Glee Club trials at Union.

(Continued from page 1.)

the end of the week. The methods of nomination and election, the importance of the various positions will be carefully explained in order that this business may be done as efficiently as possible.

Pres. Salisbury promises a short, brief meeting to make the inroad on the lunch hour as small as possible.

TECH SHOW BOOK

All students writing books for Tech Show 1910, should carefully bear in mind that the competition closes on Nov. 1. It is hoped that as many and even more books will be handed in this year than last year. All prospective authors should be careful to observe the following instructions:

Obtain a numbered envelope at the Cage. The book should be numbered correspondingly, the name and address of the author placed in the envelope, and both left at the Cage for Kenneth Greenleaf, stage manager. Should any be unable to complete their productions by Nov. 1, they should communicate with Mr. Francis before October 22.

Further information on the subject may be had by leaving a note at the Cage or Show office for the stage manager.

COURSE ON SLIDE RULE.

The course of lectures on the slide rule which is given yearly is to commence today. It will be given by Professor Derr every Tuesday afternoon in the Walker building, from four until five o'clock.

Its object is to give the students facility in the manipulation of the rule, and to enable them to make computatino with reasonable accuracy and expedition.

The course includes a short history of calculating machines in general and finishes up with a careful study of the many uses and values of the rule with due regard to practical accuracy.

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NOTICES.

1912—All 1912 class nominations must be in before 4 P. M. Wednesday, Oct. 13. The following are to be nominated: President, vice-president, secretary, treasurer, clerk, executive committee, two men; Institute committee, two men; Athletic Association representatives, five men.

All nominations must be signed by at least ten members of the class. Hand nominations to any member of the electoral committee.

H. M. HALL.
C. B. McCLELLAND.
K. C. McKENNEY.
H. L. WOEHLING.

DR. MANN'S DISCUSSION.—Owing to an attack of appendicitis, Dr. Mann will be unable to conduct the discussions on "Faith and Life" at present, and the latter have therefore been indefinitely postponed.

1911.—The first fifty orders for class pipes will soon be ready. Further notice will be made in The Tech. The second order will be closed Wednesday, Oct. 13th. All men who wish their pipes before Field Day must get in on this order. 11-12

SECOND YEAR.

English Literature II, IV, XIII, L-Z will meet in room 30 Lowell, instead of 29. 11-12

THIRD YEAR.

The room assignment for 3rd year Steam Eng. Course X and XIII has been changed on Saturdays to room 20 Eng. B. 11-12-13-14-15-16

FOURTH YEAR.

Fourth year Dynamics of Machines will meet in room 21 Eng. B, on Saturdays instead of 20 Eng. B. 11-12-13-14-15-16

1910—Meeting of senior class, Wednesday, Oct. 13, at one o'clock, in Huntington Hall. Nominations of class officers.

CROSS-COUNTRY—On Monday there will be a 2-mile run from the Gym, in two squads, leaving four and five o'clock respectively.

Tuesday the men will walk about five miles.

On Wednesday a run will be taken over the course. Train leaves Back at 4:22, all candidates be sure to be there.

The Tech offers good opportunities in the circulation department. See the circulation manager at once.

FACULTY NOTICE.
French II.

The following sections are divided each to form two new sections, as follows.

Section 1, 3.
Section 1, 3a.
Section 1, 3b, A-L, M-Z.
Section 5, 15a.
Section 5, 15a a. Section 5, 15a b, A-M, P-Z.

The new sections will recite as follows:

Section 1. 3a. Tuesday 10-11, 22L, Mr. Blachstein, instructor; Thursday, 11-12, 22L, Saturday, 11-12, 22L.

Section 1. 3b. Tuesday, 10-11, 29L, Mr. Erhardt, instructor; Thursday, 11-12, 29L, Saturday, 11-12, 29L.

Section 5. 15a a. Monday, 9-10, 22L, Mr. Blachstein, instructor; Wednesday, 11-12, 22L, Friday, 10-11, 22L.

Section 5. 15a b. Monday, 9-10, 29L, Mr. Erhardt, instructor; Wednesday, 10-11,29L, Friday, 10-11, 29L.

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